



THE RARA RAG

Newsletter of The Rochester Amateur Radio Association, Inc.
Founded in 1931

JULY, 2021
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THE JULY MEETING IS THE ANNUAL PICNIC SATURDAY, JULY 10TH

(No July General Meeting)

BRIAN O'CONNOR, KA2CGB, RARA VICE PRESIDENT

Please join us in person as our annual Summer Picnic returns! The picnic will be held at the Devil's Bathtub shelter in Mendon Ponds Park on Saturday, 10 July from 11:00AM to 2:00PM.

This is always a great occasion and an opportunity to enjoy good food, good company and play with radios!

With an open field and surrounding woods, the Devil's Bathtub shelter provide lots of choices for antenna deployments! You are welcome to set up your own rig, or to explore what others have set up. (Although there is no AC power at the shelter, we expect to have several 12V batteries available for your use – just bring the correct DC cable for your radio.)

Bring your own food and drinks. RARA will provide Hot Coals on two BBQs for you to cook on, as well as cold water to quench your thirst.

The site offers an open shelter, picnic tables inside and outside, and a porta-potty. Feel free to bring folding chairs and/or a pop-up to create your own space!

Set up will start around 10:00AM, and the grills will be ready by noon. You are of course welcome to get there early to enjoy the day and each other's company.

Hoping to see you there!



K2JD

N2EH

W2EOC

RARA



YouTube

BOARDZ BUZZ

TIM GUYOT, KB1POP

I had hoped to be writing about the success of our 2021 Hamfest, but like many other things this year, it just wasn't in the cards. At least it seems that we've reached a turning point and club activities will start to return to normal.

We've already had a few successful RARA Academy sessions this year, and our next major gathering will be the RARA Picnic on Saturday July 10th. More details on the picnic are in an article above, but I want to make an extra plug that this is one of my favorite events because we can get together for some good casual operating fun!

As we look forward to in-person meetings – No date yet, but we don't anticipate it being before September – the board has made the decision to purchase a new PA system for the club. We want to acknowledge the contribution Brad Allen KB2CHY (SK) made by bringing and operating his own PA for many years, and we thank Scott Theis W2LW for letting us borrow his more recently.

In selecting the equipment, we had a few major considerations:

- Sufficient power and expandability for multiple settings
- Portability and Ease of Use
- Support for future meetings that involve a remote presenter and audience

In terms of power, it meets what we've used in the past both at the BSA and the Hamfest. Additionally, the Hamfest committee is looking into long-throw horns to make better use of that power. For portability, the system will be housed in a single wheeled rack that's light enough to be lifted to a table thanks to the class-D amplifier. Lastly, the mixer we've chosen has all the features we need for multiple program feeds without being too complicated.

Scott has been doing a great job at moderating the on-line meetings, but if we do run meetings split between on-line and in-person, help will be needed to keep everything running smoothly. If you're interested in helping "produce" future meetings, even if you don't have audio experience, please let any board member know (All e-mails and phone numbers are at end of The Rag) so that we can start practicing.

I'll end with a plea similar to Mike's in last month's Board Buzz. When you look at everything in The Rag, you can see that RARA has a LOT going on. I know that it can be intimidating to volunteer to become the leader of an event or activity, but no one expects you to make that leap. Consider joining a committee or signing up to help out with an event. We welcome your fresh ideas, and maybe over time you'll find that you enjoy it and want to take more of a leadership role. I won't lie, it is work, but you can start small and I think you'll find helping out the club is really rewarding!

Annual RARA Picnic Saturday July 10, 2021

Devil's Bathtub Shelter in Mendon Ponds Park

NO RARA General Meeting in July The Picnic is the Meeting

[MAP](#)

CALENDAR OF EVENTS

NO GENERAL MEETING IN JULY

THURSDAY JULY 1, 2021 - RARA Board of Directors Meeting
6:30PM ON LINE

Email request for link to secretary@rochesterham.org



EDUCATION

Karl Heinz Kremer, K5KHK, License Class Coordinator

It's 59 degrees outside and very wet as I write this, and therefore it does not look like summer yet, but the RARA Education Program is in its summer recess. The academy sessions, Elmer's Corner and license classes are taking a break and will restart in the fall. That does not mean that you cannot get help during these months. We have two public areas you can ask a question in:

- The RARA groups.io mailing list (<https://groups.io/g/RochesterHam>)
- The RARA FaceBook page (<https://www.facebook.com/rochesterham>)

These links can also be found at the top of the RARA web page <https://RochesterHam.org>

You can also send an email to either education@rochesterham.org or elmerscorner@education.org to be put in touch with one of our elmers.

If you are looking to upgrade your license or know of somebody who wants to get her or his first license, our license classes will start up again in the fall. If you are interested in taking a class, please email education@rochesterham.org so that we can plan.

Have a great summer, and I hope to see you at our summer picnic!

RARA LICENSE COURSES

Karl Heinz Kremer, K5KHK, License Class Coordinator

License classes will resume in fall 2021.

RARA ELMERS CORNER

**Suzanne Bishopp, W2SUZ
Rich Bishopp, KD2UBJ
Elmers Corner Coordinators**

Thank You everyone for a great start for the new Elmers Corner coordinators. Tim Brown has some big shoes to fill. We are very happy with how our first zoom event went.

Lots of good information and experience was shared. We talked about; grounding of antennas for RF, ways to find, reduce, if not eliminate RF noise, proximity of multiple antennas to each other, Parks On The Air and Field Day. I'm sure I'm forgetting a thing or two.

I think we all came to a consensus that when it comes to radials we need at least three for our portable vertical but we probably will not see much benefit after 144 of them.

Elmers Corner on Zoom will start back up again in fall. Hopefully we are also able to get back to face to face elmering at monthly meetings or other events.

Elmerscorner@rochesterham.org is always available to reach out for an elmer as needed. We do go off grid for a few days at a time throughout the year but we check in as much as signal coverage allows.

RARA ACADEMY WORKSHOPS

Jeff Sonstein, KD2RRB, RARA Academy Coordinator

Hi, I'm Jeff Sonstein, KD2RRB. Tim Brown asked me to take over putting together the Academy sessions. As the RARA Academy emphasis is supposed to be 'hands-on experiences' I would love to get input from the RARA Membership about what kinds of Academy sessions would be of most use to you and to others.

Please tell us what hands-on Academy session topics:

1. would be most useful for "newbies"?
 2. would be most useful for "more experienced" folks?
- and send that pair of lists to me at jsonstein@gmail.com

I'll compile things. We'll see what shows up the most often in the 2 basic categories (newbies & the more experienced), and I'll get help mapping out a plan for the year so our Academy offerings fit the needs of the Membership.

MORSE CODE TRAINING

The RXCW Group assists Hams wanting to learn Morse Code or to develop their CW skills.

BEGINNERS MORSE CODE ZOOM CLASSES

Peter Fournia, W2SKY, hosts Morse Code classes on Thursday evenings 7pm. No experience required.

Join the group at any session.

Register at: pfournia@gmail.com

MORSE PRACTICE FOR ALL LEVELS ON ZOOM

Tim Brown, WB2PAY, hosts code practice for all levels on Wednesday evenings at 7pm.

Register at: tjbrown@rochester.rr.com

MORSE PRACTICE ON AIR

W1AW - <http://www.arrl.org/w1aw-operating-schedule>

RXCWG

Tuesday 4pm 50.250 MHz

To set up a cw sked, contact
Peter at pfournia@gmail.com or
Tim at tjbrown@rochester.rr.com

HAM QUIPS JURASSIC PARK FIELD DAY



" OVER HERE FRED. I FOUND THE PERFECT PLACE
TO SET UP FOR OUR FIELD DAY OPERATIONS! "

Dick Sylvan, W9CBT, is a very accomplished ham radio cartoonist and his work appeared previously in the K9YA Telegraph and also appears in the NAQCC Newsletters. His book "HI - HI - A Collection of Ham Radio Cartoons" is available at www.lulu.com

PUBLIC SERVICE REPORT

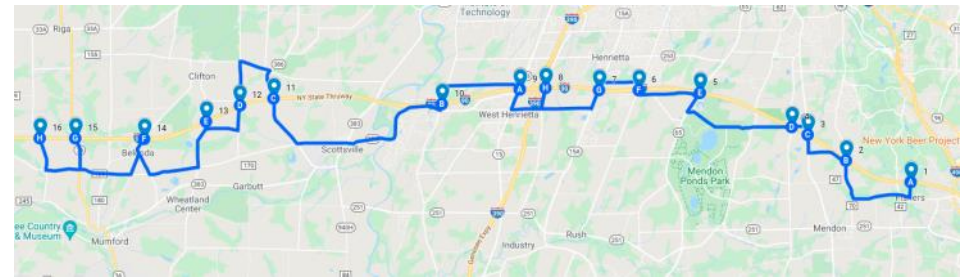
MIKE MOORE, KC2NM, PUBLIC SERVICE COORDINATOR

We recently received very good news that the Fairport Lift Bridge Regatta is scheduled for Saturday, September 25, 2021, at the Fairport Crew Club Boat-house, located on the Erie Canal near the bridge on Route 31F (Fairport Road). Racing will begin at 7 a.m. and end about 2 p.m.



This is a great event! HAMS provide communications from the dock area, start and finish lines, report on canal traffic entering and exiting the race area, and provide for communications between race officials. A command post with net control will be set up at race central using the red ARES trailer. Our duties begin at 6:30 and lunch is provided. **Mark Pedersen** KC2UES is our RARA team captain for this event. For more information or to register to participate go to our Public Service page at https://rochesterham.org/public_service.htm or contact Mark Pedersen mpeder21@gmail.com.

Our Pumpkin Patrol event captain, Ed Wilkonski K1EM is making preparations for this year's event. We will again monitor the 16 bridges crossing the New York State Thruway located in Monroe county. The dates for this event are Saturday Oct. 30 and Sunday Oct. 31. For more information or to register to participate see our Public Service page at https://rochesterham.org/public_service.htm or contact Ed Wilkonski wingstwowfly@rochester.rr.com



Pumpkin Patrol Bridges

The date of the Scouts BSA Challenge Trophy Camporee is a week off of the Jamboree On the Air weekend of October 16. Crew members with whom I have spoken advocate putting on a demonstration during the Camporee due to the large number of youth that will be attending this event.

I will continue to track these events and report any updates that I learn about. For up to date information about all of our Public Service events take a look at our RARA website https://www.rochesterham.org/public_service.

Please mark your calendars for our upcoming RARA Public Service Events

Fairport Lift Bridge Regatta	Erie Canal – Fairport, NY	Saturday	Sept. 25, 2021
Ham Radio Demonstration - CTC	Camp Babcock Hovey	Saturday	Oct. 23, 2021
Pumpkin Patrol	Overpasses of the New York State Thruway	Saturday & Sunday	Oct. 30-31, 2021
Holiday Science & Technology Days	Rochester Museum & Science Center	Monday - Wednesday	Dec. 27-29, 2021

PARKS ON THE AIR “SUPPORT YOUR PARKS” PLAQUE EVENT

KARL HEINZ KREMER, K5KHK

The POTA program has quarterly “Support Your Parks” events – mainly to drum up some additional activity in parks and on the air. This gives activators another reason to go out to a park and end up with a certificate, and hunters will have even more parks to pick from when they spin the dial (assuming your radio still has a dial to spin).

The summer event every year is different from the other three quarterly events: In addition to a participation certification one can download, there are plaques to compete for – for both activators and hunters.

Here is information about this year’s plaque event:

<https://stats.parksontheair.com/plaque/plaquesummary.php>

This year it will be on the weekend of July 17th and 18th. There are awards given out in different categories, most of them are for both hunters and activators (with the name of the award being self-explanatory about how one would go about competing for it):

- Most Contacts
- Most Voice Contacts
- Most CW Contacts (for activators, this is the N2CX Memorial Award)
- Most Digital Contacts

And then there are a few awards that are specific to either hunters, activators, or (and this is new this year) clubs:

- Rover – this is for activating the largest number of unique references (parks, forests, historical areas, ...)
- Chaser – this is for working the largest number of unique references
- Most Contacts Club Activation – for the club that makes the most contacts as activators

In case you wonder what such an award looks like, I happen to have one on hand:



This is a very nice plaque to put up on your wall. Chances are that this year, you will no longer be able to win the “Most Digital Contacts – Hunter” award with just two QSOs...

Even if you are not interested in competing for these awards, there will also be a participation certificate you will be able to download after the event is over and all logs have been processed.

So, mark these two days in your calendar and fire up your radio – either from your shack at home, or your portable station in one or more parks. If you are in a park, I am looking forward to working you.

IT'S TIME TO BREAK OUT THE QRP

BILL HOPKINS, AA2YV

This has been a long time coming. A few years ago I threw up a long wire; let's call it random because it was, just over 90 feet long, and I wasn't really counting back then. It comes into the shack via the MFJ RF feed-through window panel. The wire runs to the southwest and ends at about 40 feet up. I use it to listen to the Drake 2B receiver from time to time, but that's been about it.

My Elecraft K1 QRP has been sitting, perched out of the way for too long. It is a four-band wonder (7, 10, 14, 18) with the built-in automatic antenna tuner (ATU) and touted to tune up whatever you throw across the bushes or into the tree.



Antenna trimming would require some work. I scoured the web and found that my K1 would work best on all bands with a long wire close to 83 feet and a counterpoise (not on the ground but above it), either 17 ft. or 34.5 ft. total length. I chose the longer length first. (See: <https://udel.edu/~mm/ham/randomWire/>.)

At the May Academy, Karl Heinz (K5KHK) told me what he uses for QRP counterpoise. I finally decided on insulated 22 gauge stranded: 100 feet of it. It's "bendy" and can be easily wound up for field work. (Wire is getting more expensive these days. Have you noticed?)

With the K1's ATU, I can come straight out of the rig with the long wire and counterpoise. I picked up a BNC Male-to-banana-plug connector and was in business – almost.

Now, how to come out of the shack through the window panel? I didn't want to use the balanced line wing-nut connections, and my feed-through to ground was already spoken for. I decided to use a spare coax feed-through (there are 3 total) for the counterpoise and the "Random Wire" connection for the long wire. I rigged up a 3 ft. counterpoise feed from the rig to the panel using an old SO-239 male connector (hot side only). Then, I soldered another "old" male connector to the now 31.5 ft counterpoise on the outside (to total 34.5 ft.) and again soldered only to the pin.

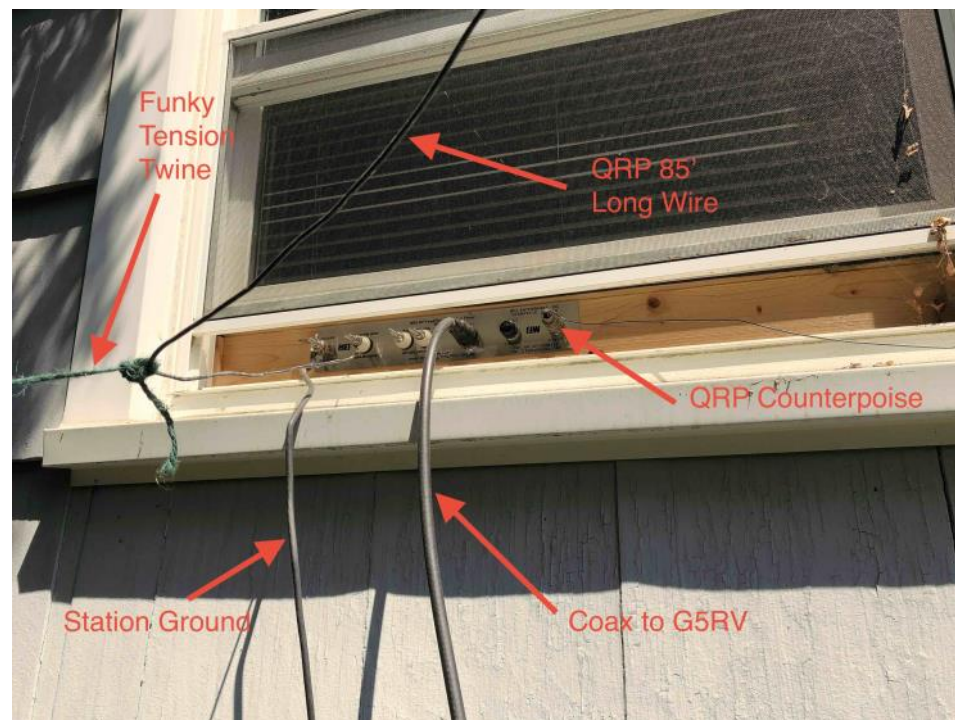
OK, we're ready, I thought. I took out my Elecraft K1 Manual and "discovered" I had forgotten the multiple uses for just about every menu-driven button. It took a while, but I boned up on how to tune, how to adjust the output, how to monitor

the SWR, and set the code speed. I rechecked the frequency readout with my Ten Tec Omni VI (at super-low RF gain and no antenna on it). All systems were "go."

The Kentucky QSO Party was underway on Saturday afternoon, June 5th. My ATU returned a 1:1 SWR in about two seconds. Inside of twenty-five minutes I logged six QSOs: to KY, MA, and DE. Then at 2300 EDT I checked on band activity. The RSGB Field Day was in full swing. I heard G0FBB out of County Kent calling CQ as a portable. I called. He came back with my call suffix but he gave it a German prefix. My signal was obviously weak, so I slowed down and called again. He paused and then gave me my call: AA2YV. We were in business. All this was at 5.5 watts output.

After tuning up on 20 meters, I got key clicks. (I checked the rig with my G5RV antenna and found no problem there.) The issue could have been either the grounded counterpoise through the power supply (Elenco) or that my long wire length was still incorrect. What remained was to shorten the counterpoise to 17 feet, which I did (3 ft. inside the shack – 14 ft. outside). I can now tune a low SWR on all bands and no key clicks.

Last evening (June 9), 40 meters was hot. I easily made one QSO with LY5W in Lithuania and another with RC2GA in Russia, who gave me a 549. He was running 1 KW and asked me what antenna I was using. Not bad for a long wire up to the locust tree and a QRP rig measuring 5" X 5½" X 2¼".



VE TEAM

The next testing session
will be in September

CW ELMERS

Name	Call	Area	Email
Ned Asam	W2NED	Pittsford	w2ned@frontiernet.net
Tim Brown	WB2PAY	Ogden	tjbrown@rochester.rr.com
Pete Fournia	W2SKY	Penfield	pfournia@gmail.com
Bill Hopkins	AA2YV	Brighton	whopkin4@naz.edu
Bob Karz	K2OID	Webster	rkarz@rochester.rr.com
Joe Rowe	AG2Y	Webster	ag2y@rochester.rr.com
Harry Williams	KF2TV	Webster	harryw7872@gmail.com

RADIO ELMERS

Name	Call	Area	Email
Tim Brown	WB2PAY	Ogden	tjbrown@rochester.rr.com
Dave Carlson	N2OA	Batavia	kdcarlso@gmail.com
Lawrence Hill	N2AJX	Henrietta	lawrence.hill@rit.edu
Rich Hoffarth	K2AXP		rhoffarth2000@yahoo.com
Bill Kasperkoski	WB2SXY	Pittsford	wb2sxy@gmail.com
Don Kiser	AC2EV	N Greece	dkiser100@gmail.com
Karl Heinz Kremer	K5KHK	Chili	k5khk@khk.net
Tim Magee	WB2KAO	Greece	585-704-5747
Mike Moore	KC2NM		mikemoore@ieee.org
Peter Schuch	WB2UAQ	Perinton	pschuch@rochester.rr.com
Forest Shick	WA2MZG	Webster	fshick3@gmail.com
Dave Timmons	W2DST	N Greece	dstimmons@gmail.com
Steve Verzulli	KA1CNF		verzulli@yahoo.com
Dan Waterstraat	W2DEW	Henrietta	higreen@rochester.rr.com

RaRa Calendar

TIM BARRETT, K9VB, MEMBERSHIP SECRETARY

July 2021						
Sun	Mon	Tue	Wed	Thu	Fri	
				1 RaRa Monthly BoD Mtg 6:30pm ARES Net 146.610 MHz, 7pm VHF Group 9pm 50.200 USB RTTYOPS Weekspint NCCC Sprints NRAU 10M Activity Contest RAC Canada Day Contest QRP Foxhunt EACW Meeting	2 K1USN Slow Speed Test SKCC Sprint Europe	3 DL DX RTTY Contest Marconi HF Contest Original QRP Contest PODXS 070 40M Sprint 2 Meter Classic Sprint
4 K1USN Slow Speed Test DL DX RTTY Contest Marconi HF Contest Original QRP Contest PODXS 070 40M Sprint	5 AWA Net 145.110 MHz, 7pm VHF Group 9pm 144.260 SSB WW Sideband Activity Contest RSGB 80M CW Championship ARS Spartan Sprint	6 RTTYOPS Weekspint Phone Weekly Test Fray	7 ROC City Net 3.810 MHz, 7 pm CWOps Mini-CWT Test VHF-UHF FT8 Contest Walk for the Bacon QRP Contest	8 ARES Net 146.610 MHz, 7pm VHF Group 9pm 50.200 USB QRP Foxhunt RTTYOPS Weekspint NCCC Sprints Walk for the Bacon QRP Contest EACW Meeting	9 K1USN Slow Speed Test	10 RaRa Picnic Mendon Ponds Park 11:00 Devils Bathtub RAGS Hamfest, Camillus NY IARU HF World Championship SKCC Sprint Marathon
11 K1USN Slow Speed Test IARU HF World Championship SKCC Sprint Marathon 4 States QRP Sprint QRP ARCI Homebrew Sprint	12 AWA Net 145.110 MHz, 7pm VHF Group 9pm 144.260 SSB WW Sideband Activity Contest	13 RTTYOPS Weekspint Phone Weekly Test Fray	14 ROC City Net 3.810 MHz, 7 pm CWOps Mini-CWT Test RSGB 80M SSB Championship VHF-UHF FT8 Contest NAQCC CW Sprint	15 ARES Net 146.610 MHz, 7pm VHF Group 9pm 50.200 USB QRP Foxhunt RTTYOPS Weekspint NCCC Sprints EACW Meeting	16 K1USN Slow Speed Test	17 Batavia Hamfest, Alexander NY Russian Radio Championship CQ Worldwide VHF Contest Feld Hell Sprint NA QSO Party RTTY
18 K1USN Slow Speed Test CQ Worldwide VHF Contest NA QSO Party RTTY RSGB Int. Low Power Contest YOTA Contest CQC Great Colorado Gold Rush Run for the Bacon QRP Contest	19 AWA Net 145.110 MHz, 7pm VHF Group 9pm 144.260 SSB WW Sideband Activity Contest	20 RTTYOPS Weekspint Phone Weekly Test Fray	21 ROC City Net 3.810 MHz, 7 pm CWOps Mini-CWT Test	22 ARES Net 146.610 MHz, 7pm VHF Group 9pm 50.200 USB QRP Foxhunt RTTYOPS Weekspint NCCC Sprints EACW Meeting RSGB 80M Data Championship	23 K1USN Slow Speed Test	24 RSGB IOTA Contest
25 K1USN Slow Speed Test RSGB IOTA Contest ARS Flight of the Bumblebees	26 AWA Net 145.110 MHz, 7pm VHF Group 9pm 144.260 SSB WW Sideband Activity Contest QCX Challenge RSGB FT4 Contest	27 RTTYOPS Weekspint Phone Weekly Test Fray	28 ROC City Net 3.810 MHz, 7 pm CWOps Mini-CWT Test	29 ARES Net 146.610 MHz, 7pm VHF Group 9pm 50.200 USB QRP Foxhunt RTTYOPS Weekspint NCCC Sprints EACW Meeting	30 K1USN Slow Speed Test	31 Feld Hell Sprint Russi WW Multimode Contest Missouri QSO Party

NEWS FROM AREA CLUBS

MONROE COUNTY ARES / RACES NEWS

Monroe County Amateur Radio Emergency Service (ARES)® is an amateur radio public service organization based in Monroe County, New York, and is open to all licensed amateur radio operators. Monroe County Radio Amateur Civil Emergency Service (RACES) is a program of the Monroe County Office of Emergency Management. We participate in training and emergency exercises so that we can serve other agencies during times of communication failure.



The Monroe County Amateur Radio Emergency Service, Inc. holds its meetings on the fourth Thursday of each month except in July, August, November and December. Anyone interested, members and non-members, are welcome to attend.

Until further notice, our meetings are via Zoom. Please check our website for any schedule changes. Prospective members can request an invitation by email to: secretary@monroecountymcomm.org.

Monroe County ARES/RACES meets on the air every Thursday of the month at 7:00 PM, on the N2MPE 146.61 MHz (-) 110.9 Hz PL and 444.45 (+) 110.9 Hz PL repeaters. Our club callsign is WB2EOC.

There is no net on nights when we hold our regular meeting, generally on the 4th Thursday of the month.

WEB: www.monroecountymcomm.org

Facebook : Monroe County Amateur Radio Emergency Service, Inc.

Twitter @MCARESNY

Severe Weather Alerts: Winter may bring severe weather in the form of heavy snow storms, strong winds, and flooding. If you experience severe weather, especially when accompanied by damage to property in your area, listen to your local ARES/RACES repeaters for information. While official ARES/RACES activation could be a possibility, it is more important that we open a spontaneous net simply to share information about weather conditions in your immediate area. Don't wait for someone else to do it. Pick up the microphone and start a net. Have each check-in station give you a situational awareness report and emergency power report. If you don't have a copy of the directed net protocol, you can find one at the WEB address listed above. (Activities/ARES Net/ Net Script/ Downloads). We encourage all amateur radio operators to take a free Skywarn TM class offered by the National Weather Service. The schedule of classes can be found at <https://www.weather.gov/buf/skywarn>

Monroe County ARES
Ralph Dutcher, Net Control - KD2BDZ@arrrl.net

ROCHESTER DX ASSOCIATION, RDXA

There will be no July or August meeting.

The next meeting will be Tuesday September 21, 2021 at 7:30pm. Location is TBD. Check our web site: www.rdxa.com.



ROCHESTER RADIO REPEATER ASSOCIATION

The Rochester Radio Repeater Association, RRRA will not be having its regular meeting on July 16th due to the Pittsford Town Hall's meeting room being closed. However, the club is having Zoom meetings on our regularly scheduled meeting nights on the 3rd Friday of each month starting at 7:30PM lasting 40 minutes. All paying and non-paying members should receive an invite in their email. All you have to do is hit the link in your email, or go to Zoom in your browser and type in the meeting ID number and pass code and you're in. You may have to install the Zoom client when prompted. Or go to <https://zoom.us/download>. Remember to activate your video & audio from the bottom of the screen so everyone can see and hear you. If you use the Android client for your cell phone you will only be able to see a max of 4 pictures on the screen at a time. If you use the Windows client you can have as many as you want. We are currently attempting to modify our club bylaws to resume all our regular meetings on Zoom until Covid-19 passes.

Stay tuned to our web site, www.k2rra.org for current information on whether our meeting place will be available. The elected RRRA officers for 2020 - 2021 are: Bob Shewell, N2HJD, President, Bob ODell, N2BZX, Vice President, ED Wilkonski, KC2WM Secretary, and Bob Smith, NS2B-Treasurer / Membership Chairman. RRRA also accepts donations to the club. If you are not currently a member and want to support RRRA, you can join at our monthly meeting or on our web site. www.k2rra.org

XXR AMATEUR RADIO CLUB

The XXR Amateur Radio Club meets the 2nd Thursday of each month. The meetings are 6PM at the Webster Recreation Center. Look for details on our website <http://xarc.us>

ROCHESTER VHF GROUP

You are invited to join us on-line & on-the-air! We're here to help you to use the license that you worked so hard to get.



Check out what we do by visiting our website at <http://RVHFG.org> to start.

Join our e-mail group by sending a message to RVHFG+subscribe@groups.io.

**Join our weekly on-the-air nets on SSB:
2 meter band - Monday 9 PM 144.260 USB
6 meter band - Thursday 9 PM 50.200 USB**

**No VHF SSB radio (yet) to join the nets?
Log-in to Echolink ka2ene-L #23426**

We can help to answer the question, "What radio should I buy?" Here's a list of HF+++ radios, those with the HF bands and at least three VHF bands, giving you access to all sorts of VHF fun. Research each one to see which serves you best. Ask questions on our email list. We're here to help!

Yaesu FT-100D	Yaesu FT-817	Yaesu FT-818
Yaesu FT-847	Yaesu FT-857	Yaesu FT-897
Icom IC-706MKIIG	Icom IC-7000	Icom IC-7100
Icom IC-9100	Kenwood TS-2000	

Some are older models and some are newer models, but all provide access to the 6 meter, 2 meter, and 70 centimeter bands using both traditional FM and the exciting narrow-band SSB mode that supports unexpectedly long-distance (100's of km's routinely and 1,000's of km occasionally) VHF communication. These are good all-around radios no matter what club you end up affiliating with later. We hope its us.

AMATEUR RADIO ASSOCIATION OF THE SOUTHERN TIER, ARAST

ARAST meets the third Thursday of every month at the Town and Country Fire Department on Gardner Rd in Horseheads, New York. Our Chemung County ARES (CCARES) organization meets the first Tuesday of the month except February on Harris Hill, next to the National Soaring Museum. Both organizations serve amateurs in Chemung, Steuben and Schuyler counties in New York and Bradford and Tioga counties in Pennsylvania. All are welcome to attend our meetings.

NOTE: Both CCARES and ARAST monthly meetings are now being held both in person and online. Check out the Upcoming Events at our website, www.arast.info, for the latest details.

Our 2021 Hamfest is set to take place at the Chemung County Fairgrounds in Horseheads, New York, on Saturday, September 25, 2021, subject to the then current New York State Department of Health guidelines.

ARAST will participate in the ARRL Field Day on June 26 and 27, 2021 from our club location atop Harris Hill, adjacent to the National Soaring Museum (www.soaringmuseum.org).

Our premier public service event, the Wineglass Marathon, is scheduled for Sunday, October 3, 2021. Because the Wineglass committee is planning on a hybrid approach, subject to NYS Department of Health guidelines, we are not yet sure how great the need for communicators will be. Watch for updates in future editions of the Rag!

Don't forget to check out our repeaters when you visit the area. N3AQ 147.36(+) and the W2ZJ 146.70(-) are the principal 2-meter repeaters. The latter can also be accessed via Echolink node 574415 with the call sign KD2QND-R. A full list of repeaters that can be heard in the Twin Tiers area surrounding Chemung County can be found at http://www.arast.info/arast_website/public/repeaters.php.

We also invite you to check out our new 6 meter net on Wednesday evenings at 9 p.m. local time on 50.200 MHz USB. The net usually lasts approximately one hour. Operators are encouraged to check in and participate in the round table discussions or simply stop by from time to time. Topics are wide-reaching and are not confined to 6 meters--although discussions tend to center around 6-meter equipment, antennas, propagation, latest band openings and grid squares worked, as well as AM, FM and FT-8 use of the 6-meter band. We would welcome more participation from the western part of our area.

COMMUNITY AMATEUR RADIO CLUB, CARC

If you are interested in being a part of this forward thinking and active club, visit us at a meeting or join us on one of our weekly nets. We meet at the Hoag Library (134 S. Main St. Albion, NY) on the first Saturday of each month at 7PM. Each meeting has a brief training/refreshers period with upcoming topics including: net protocol, repeater set-up/maintenance, and digital signaling. The club holds a net every Sunday evening at 8pm (winter) and 9PM (summer) - 0100 UTC Monday - on 147.585 simplex, and we host the Thursday Night Social Net, Thursday at 8:30PM on 147.285+. We'd love to hear you check-in!

DIGITAL COMMUNICATIONS ASSOCIATION OF PERINTON, DCAP

DCAP members continue to experiment with leading edge digital communication modes. We were formed in 1994 to foster the development of local and regional packet radio networks using AX25 and TCP/IP. Today we have members using the club sponsored DSTAR repeater (KB2VZS on 444.8MHz), several personal and publicly accessible DSTAR hotspots, Yaesu System Fusion systems on non-club repeaters and DMR systems through repeaters and personal hotspots. DCAP members meet for breakfast at 7AM nearly every Saturday morning at Rikki's Family Restaurant in the village of Fairport and everyone is welcome to join us. Talk in is on the KB2VZS analog repeater on 146.715MHz with a PL tone of 110.9Hz.

DRUMLINS AMATEUR RADIO CLUB

The Drumlins Amateur Radio Club meets every third Wednesday of the month at 7:30 PM at the Wayne County EMO/Sheriff's Office 7376 State Hwy 31 #1000, Lyons, NY 14489. Doors open at 7 pm, meeting starts at 7:30 pm. Announcements will be made on the 146.685 repeater. The Drumlins ARC website address is <http://drumlinsarc.us/>

KEUKA LAKE AMATEUR RADIO ASSOCIATION, KLARA

The Keuka Lake Amateur Radio Association will hold their first in person meeting on June 16, 2021 at the Steuben County Veterans Memorial Building in Bath next door to the Civil Defense Training Center at 7pm.

At this time masks are still needed until we hear differently.

June 26 we will be having our Field Days at location of your choice but sending in logs under KLARA. Some of us are camping at Kanakadea Park in Hornell, NY and will be setting up outside so others can see and learn about amateur radio. Feel free to pop in and visit us. I think there will be at least 7 stations set up there in various locations at the park. It's open to the public with no fee to visit.

Hope everyone has a great Field Day weekend and hope to hear your CQ and make lots of contacts.

ORLEANS COUNTY AMATEUR RADIO CLUB

The Orleans County ARC meets every 2nd Monday of the month at the Orleans County Emergency Operations Center, 14064 West County House Road, Albion, NY 14411. Doors open at 6:00PM, meeting starts at 7:30PM. Anyone with an interest in amateur radio is welcome. Program topics vary from month to month.

The club has an open two meter net every Tuesday night at 9:00PM local time on the club repeater, WA2DQL/R (145.27 -600KHz offset, 141.3 tone). Everyone is welcome to check in.

See the club website <http://ocarc.us> or contact club Secretary Ron Craig, N5BNO for more information.

THE AMATEUR'S CODE

Originally written by Paul M. Segal, W9EEA (1928)

THE RADIO AMATEUR IS:

CONSIDERATE	Never knowingly operating in such a way as to lessen the pleasure of others.
LOYAL	Offering loyalty, encouragement and support to other amateurs, local club, and the American Radio Relay League, through which Amateur Radio in the United States is represented nationally and internationally.
PROGRESSIVE	With knowledge abreast of science, a well built and efficient station and operation beyond reproach.
FRIENDLY	With slow and patient operation when requested, friendly advice and counsel to the beginner, kindly assistance, co-operation and consideration for the interests of others. These are the hallmarks of the amateur spirit.
BALANCED	Radio is an avocation, never interfering with duties owed to family, job, school or community.
PATRIOTIC	With station and skill always ready for service to country and community.

SQUAW ISLAND AMATEUR RADIO CLUB, SIARC

The Squaw Island Amateur Radio Club (SIARC) meets every second Wednesday of the month at 7:30PM at the Ontario County Safety Training Facility, 2914 County Road 48, Town of Hopewell. We have License Exam Testing every other month which begins at 6:30 PM. The meeting for Wednesday, July 14th will be inside at the Safety Training Facility. We will start the meeting at 7:30 PM this month. Masks and social distancing will be required if you have not been vaccinated for COVID 19. There will be License Exam Testing. Check the SIARC website for updates.

SIARC is also holding a Health and Welfare NET Monday through Friday each week at 2000 hours on the SIARC 146.820 repeater (located in Canandaigua, NY). Tone 110.9. This net is to pass along general information and keep hams in touch. All hams are invited to participate

GENESEE VALLEY AMATEUR RADIO ASSOCIATION

Email n3dsp@lafireline.net for details.

INTERLOCK ROCHESTER - K2HAX - ROCHESTER'S HACKERSPACE

Visit our website at <http://www.interlockroc.org/>, contact us at info@interlockroc.org, or find us in #interlock on Freenode IRC.

ROCHESTER MAKERSPACE

For more information visit <https://www.makerspacerochester.org/hamradio>

ASTRONOMY SECTION ROCHESTER ACADEMY OF SCIENCE

For more information visit <http://www.rochesterastronomy.org/>

RAG ARTICLE LAYOUT HINTS

- Orientation - Landscape
- Main Text Box H - 7.7, W - 10.4
- 2 columns, 0.3 spacing between columns
- Font: Arial
- Title: 20 pt, Bold, Small Caps
- Author: 10 pt, Bold, Small Caps
- Main Text: 10 pt
- Single space after periods
- Text Alignment: Justified
- Title & Author Alignment: Centered
- No special formatting
- Try to limit pictures to the width of a column
- Picture Format: jpg or png
- Document format: Microsoft Word compatible or text. No special embedded formatting.

RARA OFFICERS, DIRECTORS AND COORDINATORS

OFFICERS

President: Tim Barrett, K9VB	(646) 496-5015	president@rochesterham.org	Treasurer: Mike Moore, KC2NM	(585) 721-0011	treasurer@rochesterham.org
Vice-President: Brian O'Connor, KA2CGB	(585) 721-2346	vicepresident@rochesterham.org	Secretary: Karl Heinz Kremer, K5KHK	(585) 210-0840	secretary@rochesterham.org

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ROCHESTER AREA RADIO CLUB CONTACTS

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Squaw Island Amateur Radio Club (SIARC)

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XRX Amateur Radio Club

Brian Donovan, K2AS: k2as@outlook.com

AUGUST RAG DEADLINE JULY 15, 2021

Rochester Area Repeater Listing

THE RARA RAG

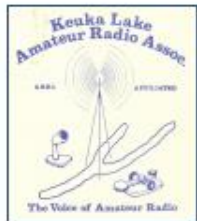
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Website – <http://www.rochesterham.org>



13th Annual
Keuka Lake Amateur Radio Association

HAMFEST

Saturday, August 21, 2021 Howard, NY

Just off I-86 at Exit 35

follow signs to the Howard Community Center

Special instructions for GPS users:

Some GPS systems will recognize 7481 Hopkins Rd., Howard, NY.
Since Howard, NY does not have a post office or ZIP Code,
some GPS systems will require 7481 Hopkins Rd., Avoca, NY 14809.
Or use coordinates 42.3618,-77.510.



Hamfest Schedule

7:00 Vendor Admission
7:30 Open to the Public
8:00 Breakfast Begins
8:30 1st Door Prize Drawing
9:00 2nd Door Prize Drawing
9:30 3rd Door Prize Drawing
10:00 4th Door Prize Drawing
10:00 VE Testing
10:30 5th Door Prize Drawing
11:00 50-50 Drawing and More
Door Prizes
Must be present to win prizes

Talk-In
on the KLARA
Repeater System

145.190 – Bath, NY
147.045 + Arkport, NY
147.330 + Cameron, NY
PL 110.9

**Admission
and
Breakfast**

\$5.00 admission includes
one outdoor flea market
space or one indoor table
space. Also available is a
full breakfast with eggs and
pancakes.
Never ending coffee!



Friday Night Camping

Join us for free on-site overnight camping.
Self contained camping units only.
No electric. No water.
Yes, an enjoyable evening with very friendly hams.

Campers Must RSVP
keukalakeara@gmail.com



KLARA/ARRL Testing

10:00am - a perfect time
to get your Ham Radio License
or upgrade to General or Extra

Visit us on Facebook:
Keuka Lake Amateur Radio Association
Visit us on the web:
klara.us
Contact us at:
keukalakeara@gmail.com

SAVE THE DATE ROC City Net HAMFEST

Saturday 28 August
Log Cabin Restaurant
2445 W. Walworth Rd.
in Macedon

SAVE THE DATE Batavia HAMFEST

Saturday July 17, 2021
Alexander Firemen Grounds
10708 Alexander Rd. Route 98,
One mile south of Rt 20 , Alexander NY 14005
Outdoor Flea Market - FREE Tailgating
6:00am - till
Buy/Sell Ham radio gear

Overnight Camping Allowed - Arrive after 6PM on
Friday (the night before hamfest) .

Only \$8.00 admission includes free tailgating and free indoor spaces
VE Exam 8:00 AM

To Pre register for test -contact John Maxwell
maxwell@acsu.buffalo.edu or Call 716--404-9256

Talk In: 147.285 PL 141.3 Batavia repeater
Breakfast and lunch available

Sponsored by: The Lancaster Amateur Radio Club - w2so.org

Questions : contact - Luke N2GDU luke48@gmail.com